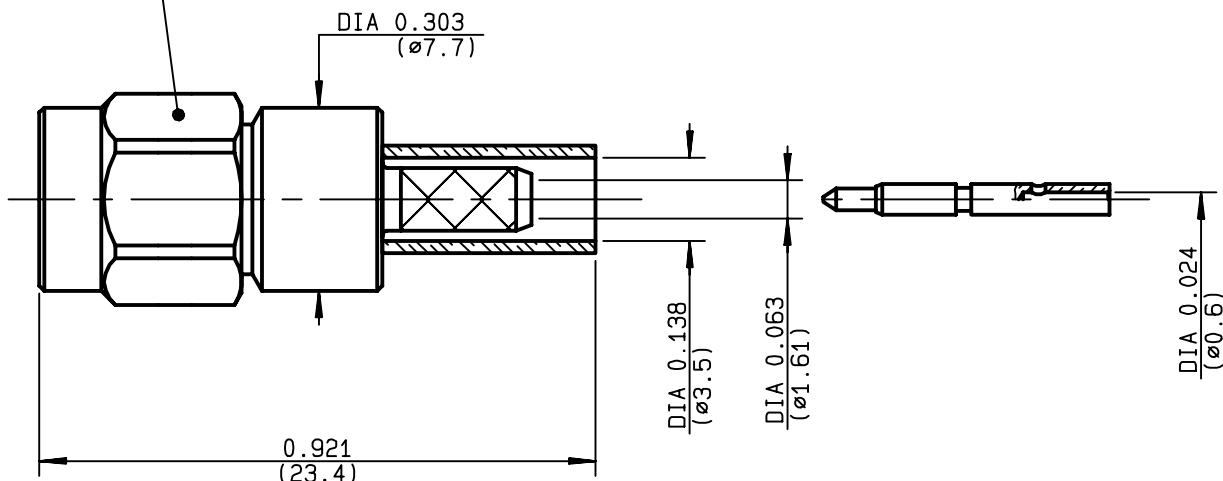


**STRAIGHT PLUG FULL CRIMP TYPE**  
**CABLE 2.6/50 D**
**R125.072.220**  
**SERIES SMA**

Hex. .315/flats  
(Hex. 8/plats)


|                                 |                   |                                        |
|---------------------------------|-------------------|----------------------------------------|
| NOMINAL IMPEDANCE               | <b>50</b>         | $\Omega$                               |
| FREQUENCY RANGE                 | <b>0-12.4</b>     | GHz                                    |
| TEMPERATURE RATING              | <b>-65/+165</b>   | $^{\circ}\text{C}$                     |
| V.S.W.R                         | <b>1.15 + .02</b> | $\times F(\text{GHz}) \text{Maxi}$     |
| RF INSERTION LOSS               | <b>0.06</b>       | $\sqrt{F}(\text{GHz}) \text{ dB Maxi}$ |
| VOLTAGE RATING                  | <b>250</b>        | $V_{\text{eff}} \text{ Maxi}$          |
| DIELECTRIC WITHSTANDING VOLTAGE | <b>750</b>        | $V_{\text{eff}} \text{ Mini}$          |
| INSULATION RESISTANCE           | <b>5000</b>       | $M \Omega \text{ Mini}$                |
| HERMETIC SEAL                   | <b>NA</b>         | $\text{Atm.cm}^3/\text{s}$             |
| LEAKAGE (pressurized only)      | <b>NA</b>         |                                        |
| MECHANICAL DURABILITY           | <b>500</b>        | Cycles                                 |
| WEIGHT                          | <b>4.5</b>        | gr                                     |
| SPECIFICATION                   |                   |                                        |

CABLES : **K02252D**  
**RD 316**

## OTHERS CHARACTERISTICS

|                            |            |           |
|----------------------------|------------|-----------|
| CABLE RETENTION            | <b>110</b> | N Mini    |
| CENTER CONTACT RETENTION   |            |           |
| Axial force - mating end   | <b>18</b>  | N Mini    |
| Axial force - opposite end | <b>18</b>  | N Mini    |
| Torque                     | <b>NA</b>  | cm.N Mini |
| RECOMMENDED TORQUES        |            |           |
| Mating                     | <b>100</b> | cm.N      |
| Panel nut                  | <b>NA</b>  | cm.N      |
| Clamp nut                  | <b>NA</b>  | cm.N      |

## CONNECTOR PARTS. MATERIALS

|                |                 |
|----------------|-----------------|
| BODY           | STAINLESS STEEL |
| OUTER CONTACT  |                 |
| CENTER CONTACT | BRASS           |
| INSULATOR      | PTFE            |
| GASKET         |                 |
| OTHERS PIECES  | STAINLESS STEEL |

## FINISH (all values are given in micrometers)

|                        |
|------------------------|
| GOLD 0.5 OVER NICKEL 2 |
| GOLD 1.3 OVER NICKEL 2 |
| -                      |
| -                      |
| GOLD 0.5 OVER NICKEL 2 |

ISSUE

**9840A00**

CREATION DATE

**15/10/1997**

FILE PART-NUMBER

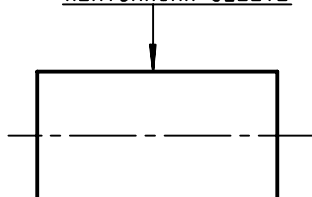
**96-1000-047****RADIALL®**

The information given here is subject to change without notice.  
 Design changes may be in order to improve the product.

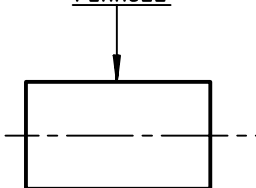
*Connect to the future*

**R125.072.220**ISSUE **9840A00** SERIES**SMA**

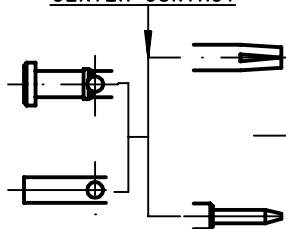
HEATSHRINK SLEEVE



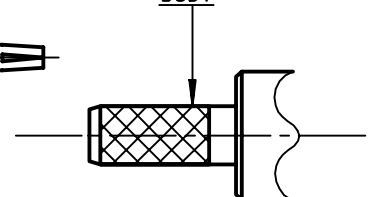
FERRULE



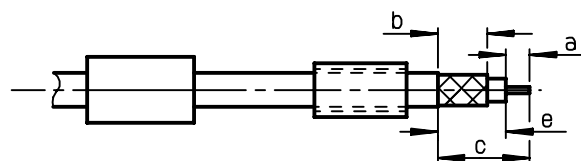
CENTER CONTACT



BODY

**①**

Slide heatshrink sleeve (R280.637.020-Option) and ferrule onto cable.  
Strip the cable.

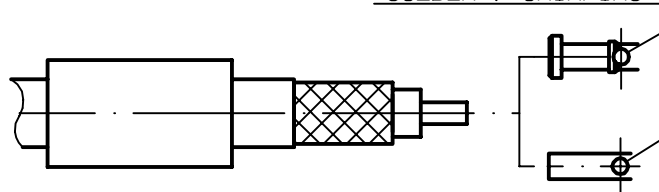


| Stripping | a     | b     | c     | d | e     |
|-----------|-------|-------|-------|---|-------|
| inch      | 0.118 | 0.248 | 0.425 | 0 | 0.307 |
| mm        | 3     | 6.3   | 10.8  |   | 7.8   |

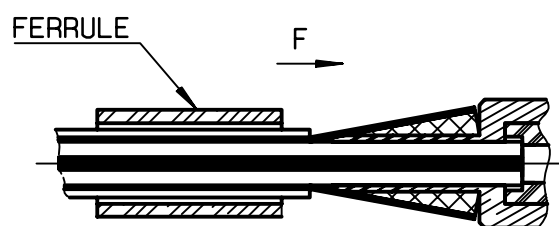
**②**

Slide center contact on until it bottoms against cable dielectric .  
Solder or crimp center contact .  
Crimping tool : R282.281.000 (2 x 4 pts)  
position 5  
+ positionner R282.967.012.  
-

SOLDER / CRIMPING

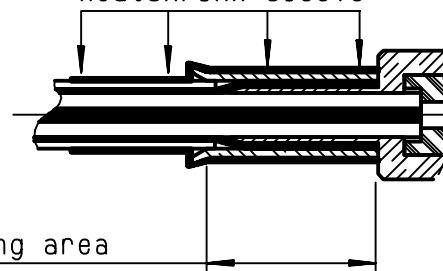
**③**

Fan the braid .  
Slide cable into the body by overtaking the insulator hard mounting point.  
Slide ferrule over the braid .  
(In direction F)

**④**

Crimp the ferrule with crimping tool R282.271.000 ( Hex. : .151 )(3.84) or crimping tool R282.293.000 ( M22520/5-01 ) + dies R282.235.037 ( M22520/5-37 )  
Cut excess of braid if necessary .  
Slide sleeve over ferrule and heatshrink in place (Option)  
-  
-

Shrink the heatshrink sleeve



Crimping area